

Mostafa Benzaazoua

List of Publications by Year in descending order

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202
papers

7,954
citations

50276
46
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205
all docs

205
docs citations

205
times ranked

3217
citing authors

#	ARTICLE	IF	CITATIONS
1	A contribution to understanding the hardening process of cemented pastefill. Minerals Engineering, 2004, 17, 141-152.	4.3	315
2	Experimental characterization of the influence of tailings fineness and density on the quality of cemented paste backfill. Minerals Engineering, 2005, 18, 41-44.	4.3	279
3	Design and Application of Underground Mine Paste Backfill Technology. Geotechnical and Geological Engineering, 2008, 26, 147-174.	1.7	276
4	Mix proportioning of underground cemented tailings backfill. Tunnelling and Underground Space Technology, 2008, 23, 80-90.	6.2	250
5	Chemical factors that influence the performance of mine sulphidic paste backfill. Cement and Concrete Research, 2002, 32, 1133-1144.	11.0	202
6	Modeling the effect of sulphate on strength development of paste backfill and binder mixture optimization. Cement and Concrete Research, 2005, 35, 301-314.	11.0	195
7	Integrated mine tailings management by combining environmental desulphurization and cemented paste backfill: Application to mine Doyon, Quebec, Canada. Minerals Engineering, 2008, 21, 330-340.	4.3	181
8	Effects of curing and stress conditions on hydromechanical, geotechnical and geochemical properties of cemented paste backfill. Engineering Geology, 2014, 168, 23-37.	6.3	161
9	Microstructural evolution of cemented paste backfill: Mercury intrusion porosimetry test results. Cement and Concrete Research, 2007, 37, 1654-1665.	11.0	159
10	Curing time effect on consolidation behaviour of cemented paste backfill containing different cement types and contents. Construction and Building Materials, 2015, 75, 99-111.	7.2	156
11	Experimental characterization of the stress-strain behaviour of cemented paste backfill in compression. Journal of Materials Science, 2007, 42, 3914-3922.	3.7	153
12	Effect of curing under pressure on compressive strength development of cemented paste backfill. Minerals Engineering, 2009, 22, 772-785.	4.3	148
13	Relationships between microstructural properties and compressive strength of consolidated and unconsolidated cemented paste backfills. Cement and Concrete Composites, 2011, 33, 702-715.	10.7	143
14	Cementitious backfill with high sulfur content Physical, chemical, and mineralogical characterization. Cement and Concrete Research, 1999, 29, 719-725.	11.0	136
15	Specimen size effect on strength behavior of cemented paste backfills subjected to different placement conditions. Engineering Geology, 2015, 185, 52-62.	6.3	119
16	Recycling of phosphate mine tailings for the production of geopolymers. Journal of Cleaner Production, 2018, 185, 891-903.	9.3	115
17	Valorization of Phosphate Waste Rocks and Sludge from the Moroccan Phosphate Mines: Challenges and Perspectives. Procedia Engineering, 2016, 138, 110-118.	1.2	111
18	Kinetic tests comparison and interpretation for prediction of the Joutel tailings acid generation potential. Environmental Geology, 2004, 46, 1086-1101.	1.2	108

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19	Coal mine wastes recycling for coal recovery and eco-friendly bricks production. Minerals Engineering, 2017, 107, 123-138.	4.3	104
20	Acid Mine Drainage at the Abandoned Kettara Mine (Morocco): 1. Environmental Characterization. Mine Water and the Environment, 2008, 27, 145-159.	2.0	103
21	Influence of superplasticizers on mechanical properties and workability of cemented paste backfill. Minerals Engineering, 2018, 116, 3-14.	4.3	90
22	A laboratory study of covers made of low-sulphide tailings to prevent acid mine drainage. Environmental Geology, 2004, 45, 609-622.	1.2	87
23	Reactivity and mineralogical evolution of an underground mine sulphidic cemented paste backfill. Minerals Engineering, 2006, 19, 407-419.	4.3	75
24	Environmental desulphurization of four Canadian mine tailings using froth flotation. International Journal of Mineral Processing, 2000, 60, 57-74.	2.6	74
25	The use of pastefill as a solidification and stabilization process for the control of acid mine drainage. Minerals Engineering, 2004, 17, 233-243.	4.3	73
26	Acid Mine Drainage at the Abandoned Kettara Mine (Morocco): 2. Mine Waste Geochemical Behavior. Mine Water and the Environment, 2008, 27, 160-170.	2.0	69
27	Column test investigation on the performance of monolayer covers made of desulphurized tailings to prevent acid mine drainage. Minerals Engineering, 2008, 21, 317-329.	4.3	67
28	Natural clay substitution by calamine processing wastes to manufacture fired bricks. Journal of Cleaner Production, 2016, 135, 847-858.	9.3	67
29	Arsenic stability in arsenopyrite-rich cemented paste backfills: A leaching test-based assessment. Journal of Hazardous Materials, 2011, 185, 1467-1476.	12.4	65
30	Alternative by-product based binders for cemented mine backfill: Recipes optimisation using Taguchi method. Minerals Engineering, 2012, 29, 28-38.	4.3	64
31	Valorization of clay by-product from moroccan phosphate mines for the production of fired bricks. Journal of Cleaner Production, 2019, 229, 169-179.	9.3	62
32	Prediction of Acid Mine Drainage: Importance of Mineralogy and the Test Protocols for Static and Kinetic Tests. Mine Water and the Environment, 2014, 33, 54-65.	2.0	61
33	Laboratory Evaluation of the Use of Alkaline Phosphate Wastes for the Control of Acidic Mine Drainage. Mine Water and the Environment, 2009, 28, 206.	2.0	59
34	Reuse of base-metal tailings as aggregates for rendering mortars: Assessment of immobilization performances and environmental behavior. Construction and Building Materials, 2015, 96, 296-306.	7.2	59
35	Phosphogypsum recycling: New horizons for a more sustainable road material application. Journal of Building Engineering, 2020, 30, 101267.	3.4	59
36	Recovery and reuse of sludge from active and passive treatment of mine drainage-impacted waters: a review. Environmental Science and Pollution Research, 2017, 24, 73-91.	5.3	56

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37	Static tests response on 5 Canadian hard rock mine tailings with low net acid-generating potentials. Journal of Geochemical Exploration, 2012, 114, 57-69.	3.2	55
38	Determination of the available acid-generating potential of waste rock, part I: Mineralogical approach. Applied Geochemistry, 2018, 99, 31-41.	3.0	55
39	Mobility and speciation of geogenic arsenic in bedrock groundwater from the Canadian Shield in western Quebec, Canada. Science of the Total Environment, 2017, 574, 509-519.	8.0	54
40	Predicting Geochemical Behaviour of Waste Rock with Low Acid Generating Potential Using Laboratory Kinetic Tests. Mine Water and the Environment, 2011, 30, 2-21.	2.0	52
41	Influence of disposal configurations on hydrogeological behaviour of sulphidic paste tailings: A field experimental study. International Journal of Mineral Processing, 2014, 131, 12-25.	2.6	52
42	Lab to field scale effects on contaminated neutral drainage prediction from the Tio mine waste rocks. Journal of Geochemical Exploration, 2014, 137, 37-47.	3.2	52
43	Elaboration of geopolymers based on clays by-products from phosphate mines for construction applications. Journal of Cleaner Production, 2020, 261, 121317.	9.3	51
44	Geochemical transport modelling of drainage from experimental mine tailings cells covered by capillary barriers. Applied Geochemistry, 2008, 23, 1-24.	3.0	50
45	Geochemical investigation of the galvanic effects during oxidation of pyrite and base-metals sulfides. Chemosphere, 2017, 166, 281-291.	8.2	48
46	Environmental challenges and identification of the knowledge gaps associated with REE mine wastes management. Journal of Cleaner Production, 2019, 212, 1232-1241.	9.3	48
47	Mine wastes based geopolymers: A critical review. Cleaner Engineering and Technology, 2020, 1, 100014.	4.0	48
48	A Review and Evaluation of the Impacts of Climate Change on Geogenic Arsenic in Groundwater from Fractured Bedrock Aquifers. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	47
49	A comparative study on the practical use of low sulfide base-metal tailings as aggregates for rendering and masonry mortars. Journal of Cleaner Production, 2016, 112, 914-925.	9.3	47
50	Assessment of arsenic immobilization in synthetically prepared cemented paste backfill specimens. Journal of Environmental Management, 2012, 93, 10-21.	7.8	46
51	Surface chemical characterization of different pyrite size fractions for flotation purposes. International Journal of Mineral Processing, 2013, 118, 1-14.	2.6	46
52	Valorization of Phosphate Mine Waste Rocks as Materials for Road Construction. Minerals (Basel), 2020, 10, 100014.	2.0	43
53	Role of secondary minerals in the acid generating potential of weathered mine tailings: Crystal-chemistry characterization and closed mine site management involvement. Science of the Total Environment, 2021, 784, 147105.	8.0	43
54	Physico-chemical properties of tailing slurries during environmental desulphurization by froth flotation. International Journal of Mineral Processing, 2003, 69, 221-234.	2.6	41

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55	Characterization of cemented paste backfill pore structure using SEM and IA analysis. Bulletin of Engineering Geology and the Environment, 2008, 67, 139-152.	3.5	41
56	Dissolution of calcitic marble and dolomitic rock in high iron concentrated acid mine drainage: application to anoxic limestone drains. Environmental Earth Sciences, 2012, 66, 2387-2401.	2.7	41
57	Assessment of Phosphate Limestone Wastes as a Component of a Store-and-Release Cover in a Semiarid Climate. Mine Water and the Environment, 2013, 32, 152-167.	2.0	41
58	Use of acid mine drainage treatment sludge by combination with a natural soil as an oxygen barrier cover for mine waste reclamation: Laboratory column tests and intermediate scale field tests. Minerals Engineering, 2017, 107, 43-52.	4.3	41
59	Study of Ni sorption onto Tio mine waste rock surfaces. Applied Geochemistry, 2010, 25, 1830-1844.	3.0	40
60	Feasibility of the reuse of total and processed contaminated marine sediments as fine aggregates in cemented mortars. Construction and Building Materials, 2016, 112, 892-902.	7.2	39
61	Determination of the available acid-generating potential of waste rock, part II: Waste management involvement. Applied Geochemistry, 2019, 100, 316-325.	3.0	39
62	Sludge recycling within cemented paste backfill: Study of the mechanical and leachability properties. Minerals Engineering, 2006, 19, 420-432.	4.3	38
63	Microstructural and geochemical evolution of paste tailings in surface disposal conditions. Minerals Engineering, 2008, 21, 341-353.	4.3	38
64	Oxygen diffusion and consumption in low-sulphide tailings covers. Canadian Geotechnical Journal, 2009, 46, 454-469.	2.8	38
65	Estimation of the cementitious properties of various industrial by-products for applications requiring low mechanical strength. Resources, Conservation and Recycling, 2011, 56, 22-33.	10.8	38
66	Tin and indium mineralogy within selected samples from the Neves Corvo ore deposit (Portugal): a multidisciplinary study. Minerals Engineering, 2003, 16, 1291-1302.	4.3	37
67	The comparison between amine thioacetate and amyl xanthate collector performances for pyrite flotation and its application to tailings desulphurization. Minerals Engineering, 2004, 17, 505-515.	4.3	37
68	Kinetic Testing and Sorption Studies by Modified Weathering Cells to Characterize the Potential to Generate Contaminated Neutral Drainage. Mine Water and the Environment, 2011, 30, 22-37.	2.0	36
69	Study of physico-chemical and mechanical characteristics of consolidated and unconsolidated cemented paste backfills. Gospodarka Surowcami Mineralnymi / Mineral Resources Management, 2013, 29, 81-100.	0.2	35
70	A quantitative approach for the estimation of the "acidez rating" parameter in the acid-base accounting tests: A new adaptations of the Sobek test. Journal of Geochemical Exploration, 2015, 153, 53-65.	3.2	35
71	The Potential Use of Phosphatic Limestone Wastes in the Passive Treatment of AMD: A Laboratory Study. Mine Water and the Environment, 2013, 32, 266-277.	2.0	34
72	The role of hardpan formation on the reactivity of sulfidic mine tailings: A case study at Joutel mine (QuÃ©bec). Science of the Total Environment, 2019, 654, 118-128.	8.0	34

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73	Review of the Main Factors Affecting the Flotation of Phosphate Ores. Minerals (Basel, Switzerland), 2020, 10, 1109.	2.0	34
74	Gold-bearing arsenopyrite and pyrite in refractory ores: analytical refinements and new understanding of gold mineralogy. Mineralogical Magazine, 2007, 71, 123-142.	1.4	33
75	Integrated environmental management of pyrrhotite tailings at Raglan Mine: Part 1 challenges of desulphurization process and reactivity prediction. Journal of Cleaner Production, 2017, 162, 86-95.	9.3	33
76	Removal of copper in leachate from mining residues using electrochemical technology. Journal of Environmental Management, 2014, 133, 78-85.	7.8	32
77	Leaching and geochemical behavior of fired bricks containing coal wastes. Journal of Environmental Management, 2018, 209, 227-235.	7.8	32
78	Laboratory study of surface paste disposal for sulfidic tailings: Physical model testing. Minerals Engineering, 2011, 24, 794-806.	4.3	31
79	In Situ Effectiveness of Alkaline and Cementitious Amendments to Stabilize Oxidized Acid-Generating Tailings. Minerals (Basel, Switzerland), 2019, 9, 314.	2.0	31
80	Study of mineralogy and leaching behavior of stabilized/solidified sludge using differential acid neutralization analysis. Cement and Concrete Research, 2009, 39, 600-609.	11.0	30
81	Capacity of Wood Ash Filters to Remove Iron from Acid Mine Drainage: Assessment of Retention Mechanism. Mine Water and the Environment, 2012, 31, 273-286.	2.0	30
82	Mobility of rare earth elements in mine drainage: Influence of iron oxides, carbonates, and phosphates. Chemosphere, 2018, 199, 647-654.	8.2	29
83	Concrete containing low-sulphide waste rocks as fine and coarse aggregates: Preliminary assessment of materials. Journal of Cleaner Production, 2019, 221, 419-429.	9.3	29
84	Use of clays by-products from phosphate mines for the manufacture of sustainable lightweight aggregates. Journal of Cleaner Production, 2021, 280, 124361.	9.3	29
85	Use of flint from phosphate mine waste rocks as an alternative aggregates for concrete. Construction and Building Materials, 2021, 271, 121886.	7.2	29
86	The Geochemical Behaviour of Mine Tailings from the Touiref Pb-Zn District in Tunisia in Weathering Cells Leaching Tests. Mine Water and the Environment, 2013, 32, 28-41.	2.0	28
87	Valorisation of acid mine drainage treatment sludge as remediation component to control acid generation from mine wastes, part 1: Material characterization and laboratory kinetic testing. Minerals Engineering, 2015, 76, 109-116.	4.3	28
88	Recycling Feasibility of Glass Wastes and Calamine Processing Tailings in Fired Bricks Making. Waste and Biomass Valorization, 2017, 8, 1479-1489.	3.4	28
89	Desulfurization of the Old Tailings at the Au-Ag-Cu Tiout Mine (Anti-Atlas Morocco). Minerals (Basel,) 2021, 11, 107225.	2.0	28
90	Environmental desulfurization of mine wastes using various mineral processing techniques: Recent advances and opportunities. Minerals Engineering, 2021, 174, 107225.	4.3	28

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91	Field experimental cells to assess hydrogeological behaviour of store-and-release covers made with phosphate mine waste. Canadian Geotechnical Journal, 2015, 52, 1255-1269.	2.8	27
92	Geochemical behavior and environmental risks related to the use of abandoned base-metal tailings as construction material in the upper-Moulouya district, Morocco. Environmental Science and Pollution Research, 2016, 23, 598-611.	5.3	26
93	Characterization of how contaminants arise in a dredged marine sediment and analysis of the effect of natural weathering. Science of the Total Environment, 2018, 624, 323-332.	8.0	26
94	Sustainable Reuse of Coal Mine Waste: Experimental and Economic Assessments for Embankments and Pavement Layer Applications in Morocco. Minerals (Basel, Switzerland), 2020, 10, 851.	2.0	25
95	Characterization of phosphate processing sludge from Tunisian mining basin and its potential valorization in fired bricks making. Journal of Cleaner Production, 2021, 284, 124750.	9.3	25
96	Arsenic speciation in cemented paste backfills and synthetic calcium-silicate-hydrates. Minerals Engineering, 2012, 39, 51-61.	4.3	24
97	Assessment of the Modified CUAPS Apparatus to Estimate In Situ Properties of Cemented Paste Backfill. Geotechnical Testing Journal, 2010, 33, 351-362.	1.0	24
98	Evaluation of the effect of sodium silicate addition to mine backfill, Gelfill - Part 2: Effects of mixing time and curing temperature. Journal of Rock Mechanics and Geotechnical Engineering, 2015, 7, 668-673.	8.1	23
99	Integrated environmental management of pyrrhotite tailings at Raglan Mine: Part 2 desulphurized tailings as cover material. Journal of Cleaner Production, 2018, 186, 883-893.	9.3	23
100	Mineralogical characterization using QEMSCAN® and leaching potential study of REE within silicate ores: A case study of the Matamec project, Québec, Canada. Journal of Geochemical Exploration, 2018, 185, 64-73.	3.2	23
101	Characterisation of Self-Weight Consolidated Paste Backfill. , 2006, , .		23
102	Mineralogical study and leaching behavior of a stabilized harbor sediment with hydraulic binder. Environmental Science and Pollution Research, 2013, 20, 51-59.	5.3	22
103	Valorization of acid mine drainage treatment sludge as remediation component to control acid generation from mine wastes, part 2: Field experimentation. Minerals Engineering, 2015, 76, 117-125.	4.3	22
104	A methodological approach applied to elaborate alkali-activated binders for mine paste backfills. Cement and Concrete Composites, 2022, 127, 104381.	10.7	22
105	Evaluation of the effect of sodium silicate addition to mine backfill, Gelfill - Part 1. Journal of Rock Mechanics and Geotechnical Engineering, 2015, 7, 266-272.	8.1	21
106	A contribution to improve the calculation of the acid generating potential of mining wastes. Chemosphere, 2017, 175, 97-107.	8.2	21
107	Towards Zero Solid Waste in the Sedimentary Phosphate Industry: Challenges and Opportunities. Minerals (Basel, Switzerland), 2021, 11, 1250.	2.0	21
108	Phosphate Carbonated Wastes Used as Drains for Acidic Mine Drainage Passive Treatment. Procedia Engineering, 2014, 83, 407-414.	1.2	19

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109	Environmental evaluation of dredged sediment submitted to a solidification stabilization process using hydraulic binders. <i>Environmental Science and Pollution Research</i> , 2016, 23, 17142-17157.	5.3	19
110	Hydrogeological behaviour of an inclined store-and-release cover experimental cell made with phosphate mine wastes. <i>Canadian Geotechnical Journal</i> , 2017, 54, 102-116.	2.8	19
111	Application of Quebec recycling guidelines to assess the use feasibility of waste rocks as construction aggregates. <i>Resources Policy</i> , 2018, 59, 68-76.	9.6	19
112	Environmental behavior of metal-rich residues from the passive treatment of acid mine drainage. <i>Science of the Total Environment</i> , 2020, 712, 136541.	8.0	19
113	Mineralogical distribution of some minor and trace elements during a laboratory flotation processing of Neves-Corvo ore (Portugal). <i>International Journal of Mineral Processing</i> , 2002, 66, 163-181.	2.6	18
114	Cement hydration and durability of low sulfide tailings-based renders: A case study in Moroccan constructions. <i>Minerals Engineering</i> , 2015, 76, 97-108.	4.3	18
115	The role of sulfide minerals in the genesis of groundwater with elevated geogenic arsenic in bedrock aquifers from western Quebec, Canada. <i>Chemical Geology</i> , 2017, 474, 33-44.	3.3	18
116	Iron removal in highly contaminated acid mine drainage using passive biochemical reactors. <i>Water Science and Technology</i> , 2017, 76, 1833-1843.	2.5	18
117	Manufacturing of ceramic products using calamine hydrometallurgical processing wastes. <i>Journal of Cleaner Production</i> , 2016, 127, 500-510.	9.3	17
118	Laboratory Characterization of Cemented Tailings Paste Containing Crushed Waste Rocks for Improved Compressive Strength Development. <i>Geotechnical and Geological Engineering</i> , 2017, 35, 645-662.	1.7	17
119	Rare Earth Elements (La, Ce, Pr, Nd, and Sm) from a Carbonatite Deposit: Mineralogical Characterization and Geochemical Behavior. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 55.	2.0	17
120	Environmental Impact of Mine Exploitation: An Early Predictive Methodology Based on Ore Mineralogy and Contaminant Speciation. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 397.	2.0	17
121	Environmental behavior of waste rocks based concrete: Leaching performance assessment. <i>Resources Policy</i> , 2021, 74, 101419.	9.6	17
122	Spatial Mapping of Acidity and Geochemical Properties of Oxidized Tailings within the Former Eagle/Telbel Mine Site. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 180.	2.0	17
123	Pb&Zn mine tailings reprocessing using centrifugal dense media separation. <i>Minerals Engineering</i> , 2019, 131, 28-37.	4.3	17
124	Elaboration of alkali activated materials using a non-calcined red clay from phosphate mines amended with fly ash or slag: A structural study. <i>Materials Chemistry and Physics</i> , 2020, 256, 123678.	4.0	17
125	The flotation tailings of the former Pb-Zn mine of Touiref (NW Tunisia): mineralogy, mine drainage prediction, base-metal speciation assessment and geochemical modeling. <i>Environmental Science and Pollution Research</i> , 2015, 22, 2877-2890.	5.3	16
126	Impact of fresh tailing deposition on the evolution of groundwater hydrogeochemistry at the abandoned Manitou mine site, Quebec, Canada. <i>Environmental Science and Pollution Research</i> , 2016, 23, 9054-9072.	5.3	16

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127	Changes in Efficiency and Hydraulic Parameters During the Passive Treatment of Ferriferous Acid Mine Drainage in Biochemical Reactors. <i>Mine Water and the Environment</i> , 2018, 37, 686-695.	2.0	16
128	Performances of stabilization/solidification process of acid mine drainage passive treatment residues: Assessment of the environmental and mechanical behaviors. <i>Journal of Environmental Management</i> , 2020, 269, 110764.	7.8	16
129	Sustainable use of phosphate waste rocks: From characterization to potential applications. <i>Materials Chemistry and Physics</i> , 2021, 260, 124119.	4.0	16
130	Gravity-driven 1-D consolidation of cemented paste backfill in 3-m-high columns. <i>Innovative Infrastructure Solutions</i> , 2016, 1, 1.	2.2	15
131	Stakeholders's perceptions of sustainable mining in Morocco: A case study of the abandoned Kettara mine. <i>The Extractive Industries and Society</i> , 2016, 3, 185-192.	1.2	15
132	Prediction of the environmental behavior of residues from the passive treatment of acid mine drainage. <i>Applied Geochemistry</i> , 2019, 110, 104421.	3.0	15
133	Automated sulfides quantification by multispectral optical microscopy. <i>Minerals Engineering</i> , 2019, 131, 38-50.	4.3	15
134	Study of mineralogy and leaching behavior of stabilized/solidified sludge using differential acid neutralization analysis. <i>Cement and Concrete Research</i> , 2009, 39, 501-509.	11.0	14
135	One-Dimensional Consolidation Parameters Of Cemented Paste Backfills / Parametry Jednowymiarowej Konsolidacji Podsadzki W Postaci Cementowej Pasty. <i>Gospodarka Surowcami Mineralnymi / Mineral Resources Management</i> , 2012, 28, .	0.2	14
136	Tailings Weathering and Arsenic Mobility at the Abandoned Zgounder Silver Mine, Morocco. <i>Mine Water and the Environment</i> , 2016, 35, 508-524.	2.0	14
137	Geochemistry of rare earth elements within waste rocks from the Montviel carbonatite deposit, Qu'bec, Canada. <i>Environmental Science and Pollution Research</i> , 2018, 25, 10997-11010.	5.3	14
138	Stability of metal-rich residues from laboratory multi-step treatment system for ferriferous acid mine drainage. <i>Environmental Science and Pollution Research</i> , 2019, 26, 35588-35601.	5.3	14
139	Upstream environmental desulphurisation and valorisation of waste rocks as a sustainable AMD management approach. <i>Journal of Geochemical Exploration</i> , 2020, 215, 106555.	3.2	14
140	Reprocessing feasibility of polymetallic waste rock for cleaner and sustainable mining. <i>Journal of Geochemical Exploration</i> , 2021, 220, 106683.	3.2	14
141	Geochemical Behavior of Mine Tailings and Waste Rock at the Abandoned Cu-Mo Azegour Mine (Occidental High Atlas, Morocco). <i>Mine Water and the Environment</i> , 2013, 32, 121-132.	2.0	13
142	An innovative coupling between column leaching and oxygen consumption tests to assess behavior of contaminated marine dredged sediments. <i>Environmental Science and Pollution Research</i> , 2015, 22, 10943-10955.	5.3	13
143	Alkaline dissolution potential of aluminosilicate minerals for the geosynthesis of mine paste backfill. <i>Materials Today Communications</i> , 2020, 24, 101221.	1.9	13
144	Use of phosphate mine by-products as supplementary cementitious materials. <i>Materials Today: Proceedings</i> , 2021, 37, 3781-3788.	1.8	13

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145	Assessment of the selective flotation of calcite, apatite and quartz using bio-based collectors: Flaxseed, nigella, and olive oils. <i>Minerals Engineering</i> , 2022, 182, 107589.	4.3	13
146	Alternatives to xanthate collectors for the desulphurization of ores and tailings: Pyrite surface chemistry. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 577, 333-346.	4.7	12
147	Geochemical behaviour of benign desulphurised waste rocks for mine drainage control and sustainable management. <i>Journal of Geochemical Exploration</i> , 2021, 225, 106767.	3.2	12
148	Characterization of Kef Shfeir phosphate sludge (Gafsa, Tunisia) and optimization of its dewatering. <i>Journal of Environmental Management</i> , 2020, 254, 109801.	7.8	11
149	Using Calcined Marls as Non-Common Supplementary Cementitious Materialsâ€”A Critical Review. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 517.	2.0	11
150	Integrated valorization of silver mine tailings through silver recovery and ceramic materials production. <i>Minerals Engineering</i> , 2021, 170, 107060.	4.3	11
151	Recovery of Residual Silver-Bearing Minerals from Low-Grade Tailings by Froth Flotation: The Case of Zgounder Mine, Morocco. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 273.	2.0	10
152	Freezing/thawing effects on geochemical behavior of residues from acid mine drainage passive treatment systems. <i>Journal of Water Process Engineering</i> , 2020, 33, 101087.	5.6	10
153	Valorization of phosphate mine waste rocks as aggregates for concrete. <i>Materials Today: Proceedings</i> , 2021, 37, 3840-3846.	1.8	10
154	ASTM Normalized Humidity Cell Kinetic Test: Protocol Improvements for Optimal Sulfide Tailings Reactivity. <i>Mine Water and the Environment</i> , 2015, 34, 242-257.	2.0	9
155	Use of EDTA in modified kinetic testing for contaminated drainage prediction from waste rocks: case of the Lac Tio mine. <i>Environmental Science and Pollution Research</i> , 2015, 22, 7882-7896.	5.3	9
156	Preliminary geotechnical assessment of the potential use of mixtures of soil and acid mine drainage neutralization sludge as materials for the moisture retention layer of covers with capillary barrier effects. <i>Canadian Geotechnical Journal</i> , 2016, 53, 828-838.	2.8	9
157	Development of a modified kinetic test using EDTA and citric acid for the prediction of contaminated neutral drainage. <i>Journal of Geochemical Exploration</i> , 2017, 181, 58-68.	3.2	9
158	An investigation of crack formation in surface paste disposal method for pyritic Pbâ€”Zn tailings. <i>International Journal of Environmental Science and Technology</i> , 2018, 15, 281-288.	3.5	9
159	Environmental characterization of mine waste at the Pbâ€”Zn Sidi Kamber abandoned mine (NE Algeria). <i>Rendiconti Lincei</i> , 2019, 30, 427-441.	2.2	9
160	An experimental investigation on collapsible behavior of dry compacted phosphate mine waste rock in road embankment. <i>Transportation Geotechnics</i> , 2021, 26, 100439.	4.5	9
161	Recycling of marls from phosphate by-products to produce alkali-activated geopolymers. <i>Materials Today: Proceedings</i> , 2022, 51, 1931-1936.	1.8	8
162	Substitution of Cement with Granulated Blast Furnace Slag in Cemented Paste Backfill: Evaluation of Technical and Chemical Properties. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1068.	2.0	8

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